

on one surface of the cartridge case, there are provided positioning means used when the cartridge is mounted to the recording apparatus, an ink outlet port from the ink pack, an inlet port for the pressurized air, and a connection terminal of a circuit board having data storage means;

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Cart*
the positioning means being constructed by an opening hole formed so as to surround a positioning pin arranged in the recording apparatus;

the opening hole constituting the positioning means arranged at each of two locations along a longitudinal direction on the one surface of the case; and

the connection terminal of the circuit board and the inlet port for the pressurized air being respectively arranged outside the opening holes arranged at the two locations.

4. (Amended) An ink cartridge for use with a recording apparatus according to claim 1, wherein the ink outlet port from the ink pack is arranged substantially in a center between the opening holes arranged at the two locations.

6. (Amended) An ink cartridge for use with a recording apparatus, the ink cartridge including a circuit board having data-readable storage means in which ink information can be stored, the ink cartridge being removably mounted to the recording apparatus, wherein

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the circuit board further includes a contact with a contact face, the contact face being openly exposed in relation to the ink cartridge at least on a plane substantially parallel to the contact face and a plane substantially perpendicular thereto; and

when the ink cartridge is mounted to the recording apparatus the circuit board contact electrically connects to the recording apparatus.

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7. (Amended) An ink cartridge for use with a recording apparatus according to claim 6, wherein the circuit board is attached to the ink cartridge via heat welding.

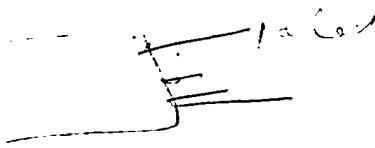
8. (Amended) An ink cartridge for use with a recording apparatus according to claim 7, wherein the heat welding forms projections in the ink cartridge to which the circuit board is mounted.

Please add the following new claims:

50. (New) A recording apparatus, comprising:

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connectivity for attaching an ink cartridge, said connectivity including ink connectivity, pressurized air connectivity and electrical connectivity; wherein
said electrical connectivity completes an electrical circuit when said ink cartridge is mounted to said recording apparatus, said electrical connectivity enabling a pressure pump that

pressurizes pressurized air to be exchanged via said pressurized air connectivity between said recording apparatus and said ink cartridge.



51. (New) An ink cartridge for use with a recording apparatus, comprising:

an ink pack formed from flexible material and sealingly storing ink therein;

a cartridge case which houses the ink pack and possesses a surface;

an ink outlet port that extends from the ink pack, said ink outlet port disposed on said surface;

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a pair of positioning parts located opposite from one another with respect to the ink outlet port, said positioning parts disposed on said surface;

an air inlet port that is disposed on said surface; and

a connection terminal of a circuit board having data memory, the terminal being located opposite from the air inlet port with respect to the ink outlet port, said connection terminal disposed on said surface.

52. (New) The ink cartridge of claim 51, wherein a first of the positioning parts is located between the air inlet port and the ink outlet port; and

a second of the positioning parts is located between the connection terminal and the ink outlet port.

53. (New) The ink cartridge of claim 52, wherein each of the positioning parts includes at least one of a hole, a groove and a notch.

54. (New) The ink cartridge of claim 10, wherein an electrical connection is complete between the recording apparatus and the ink cartridge when said ink cartridge is mounted on said recording apparatus, said electrical connection comprising an electrical circuit enabling a pressure pump that pressurizes said pressurized air.

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cont.

55. (New) The ink cartridge of claim 10, wherein the ink outlet port comprises a valve member.

56. (New) The ink cartridge of claim 10, further comprising an ink inlet port and a valve located upstream of the ink inlet port.

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